

# Jumping Jack Flash



Specialists in the Lighting of Indoor & Outdoor Arenas.

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## Recommendations for Outdoor Arenas.

Lighting is partly provided to enable the safe movement of both horses and rider appropriate to the standard of participation. The action of both must be clearly seen by spectators, officials and trainers.

The lighting installation should provide even illumination over the total floor area. Shadows should be avoided as these may cause horses to shy.

Most purpose built arenas are rectangular in design, although the overall dimensions may vary considerably. The smallest arena size for dressage test is 20mt x 40mt. Any arena around the 60m x 20m is more widely accepted.

In many cases the most cost effective lighting solution would be provided by a side-lighting system.

The lighting must be adequate to enable the safe progress of both horse and rider over the jumps and to discern the finer points of dressage, it is important that a high degree of lighting uniformity is achieved with sufficient floodlighting positions to remove shadowing around show jumping fences.

The eye level of a rider is typically between 2mt and 2.5mt above ground level and may significantly increase when jumps are taken. This should be considered when determining a suitable mounting height for lights. Glare to both horse and rider should be limited as much as possible. The main course direction for show jumping and dressage will be along or diagonally across the principal arena axis. With floodlights directed across the arena, a side-lighting installation will provide the least glare towards participants.

Kim Prestwood.